

List of Publications

Electronics and Communication Engineering

Academic Year- 2023-2024

S. No	Name of the Author	Title of the Paper	Name of the Journal
1	Mr. Sekhar Didde	Sol-gel synthesis of CaZnAl ₂ O ₄ ceramic nanoparticles and investigation of their properties	Kuwait Journal of Science
2	Dr. Siragam Srilali	Investigation of V ₂ O ₅ -ZnAl ₂ O ₄ composite nanoparticles for C-band microstrip patch antenna applications	Kuwait Journal of Science
3	Dr. Siragam Srilali	Characterization of Ti _x Zn(1-x) Al ₂ O ₄ nanoparticles by sol-gel method for wireless patch antenna applications.	Results in Optics
4	Mr. Sekhar Didde	Experimental Investigation of Calcium-Doped Zinc Aluminate Nanoparticles as a Promising Material for Microwave Applications	Acs-Omega
5	Dr.K.Balamurugan	Cost-effective production of radiation shielding coatings using multilayers of titania and silica	Results in Optics
6	Dr.K.Balamurugan	Development of SRAM-APB protocol interface and verification	Engineering Research Express
7	Dr. Siragam Srilali	Multifunctional Titanium Co-Doped ZnAl ₂ O ₄ V ₂ O ₅ Composite Ceramic Nanoparticles: Enabling Enhanced Performance for L, S, C, and X Band Communications.	Optical Materials
8	Dr. Siragam Srilali	<u>Synthesis and Fabrication of Proto-Type Microstrip Patch antenna by using Microwave Dielectric Ceramic Nanocomposite material for C-band Application.</u>	<u>Optik</u> https://doi.org/10.1016/j.ijleo.2024.17178 <u>7</u>
9	Dr. Siragam Srilali	Nanocomposite marvels: Miniaturized high bandwidth microstrip patch antenna for X-band applications	<u>Next Materials</u>

10	Dr.D. Nataraj	A Circularly Polarized Antenna for UHF Satellite Communication Applications	Journal of Communications
11	Dr.D.Nataraj	Design and Development of a Unique Antenna for Numerous Applications of Satellite Communication Based on Aluminium, Nickel and Copper Materials	International Journal on Communications Antenna and Propagation
12	Mr. Sekhar Didde	Exploring the Preparation of Calcium-Doped Zinc Aluminate Ceramic Nanoparticles for Microstrip Patch Antenna Fabrication	Materials Science Forum
13	Dr.D. Nataraj , Dr.B. Sadasiva Rao and Dr.Y. S. V. Raman	A Wide Band Antenna for both S-Band and C Band Satellite Communication Applications	Journal of Communications
14	Dr.B.Sada Siva Rao	Design and Analysis of Printed Conformal Antenna System for Inter and Intra Vehicular (V2V) Communication Utilizations	Progress in Electromagnetic Research C
15	Dr. B Ramana Kumar , Dr. B. Sada Siva Rao & Mr. L.V. Satyanarayana	IoT based Smart Baby Cradle	IJRAR
16	Mr. Juluru Eswara Narasimha Abhilash , Mrs. M. Supriya , Dr. B. Sadasiva Rao	Improvisation of Healthcare, Agriculture, and City Life using Internet of Things	Indian Journal of Technical Education
17	Dr. Y.S.V. Raman , Mr. Kurella Ayyappa Ravi Kiran, Mr. Legalla Anjaneyulu	Viral control using a Blockchain and Internet of Things Model based on the Cloud	Juni Khyat
18	Dr. V. Trimurthulu ,Mr. G. Ashok Jeevan ,Mr. I.V. Ravi Kumar	Energy Data Recording and Tracking from Electric Motors using IoT	Journal of Management and Entrepreneurship
19	Mrs. Gudapati Blessy Christina , Nrs. G. Navya , Mrs. A S N V Lakshmi Kantham	IoT-enabled robot wearing smart gloves	Indian Journal of Technical Education
20	Mr. Molugumati Premchand , Mrs. G. Lakshmi Prasanna , Mrs. Velpuri Padma	Internet of Things (IoT) based Gas leak detection and Alarm system powered by Blynk	Juni Khyat

21	Dr. Hari Sankara Sri Vastava, Mr. M. Murali, Mrs. V. Lavanya	Using the Internet of Things with the ESP8266 and Arduino to Monitor the Health	Journal of Management and Entrepreneurship
22	Dr. K. Padhmavathi , Mrs. K. Radha , Mrs. M. Maha lakshmi	Detection of malicious sessions in IoT networks by using K-Nearest Neighbor and Moth Blade Optimization Algorithm.	Indian Journal of Technical Education
23	Dr. T. J. Alexander Mrs. Y. Dineesha , Mrs. Donga Hinduja	Internet of Things Platform for Distributed Brokers Based on MQTT	Juni Khyat
24	Mrs. Eda Suma , Mr. N. Penchala Prasad , Mrs. K. Rama Lakshmi	An Affordable Platform for Robotics Education Driven by Open Source Hardware and 3D Printers	Journal of Management and Entrepreneurship
25	Mrs. Bellamkonda Pavani , Dr. B. Ramana Kumar, Mrs. G. Santhi Kumari	Detection of malnutrition using convolutional neural network	Indian Journal of Technical Education
26	Mrs. Mutyalapalli Kanaka Durga , Mr. L.V.S. Narayana, Mrs. K. Satisha	A Multi-Classification Deep Neural Network for Brain Tumor Images	Juni Khyat
27	Mr. Marlapudi Murali , Dr. B. Nageswara Rao , Mr. D. Rahulkhanna	Estimation of the Average Age of IoT Malware Exploits Using Static and Dynamic Analysis	Journal of Management and Entrepreneurship
28	Mr. A.R.V.S. Gupta , Mrs. K. Aparna Jyothi , Mrs. R. Sindhu	Reversible ALU quantum dot cellular automata: a new design and simulation	Journal of Management and Entrepreneurship
29	Mr. V. Srinivas , Mrs. Y. Dineesha , Dr. S. Gopinath	Affect of Internet of Things on Multi-User Domains	Indian Journal of Technical Education

Academic Year- 2022-2023

S. No	Name of the Author	Title of the Paper	Name of the Journal
1	Mr. Srilali Siragam & Dr.R.S.Dubey,	Zinc Aluminate Based Composite Nanoparticles for Microwave Applications.	<i>ACS Omega,</i>
2	Mr.Sekhar Didde & Dr. RS Dubey	Experimental study of doped zinc aluminate nanoparticles by bottom-up approach for microstrip patch antenna applications	Journal of Material Science
3	Dr.K.Balamurugan	Speaker identification using hybrid neural network support vector machine classifier	International Journal of Speech Technology
4	Dr.N. Kopperundevi	A Novel ANFIS Based SMC with Fractional Order PID Controller.	Intelligent Automation & Soft Computing
5	Mr. Kurada Veerabhadrachandra Sekhar Rao, Mr. G. Ashok Jeevan, Mrs. A S N V Lakshmi Kantham	Monitoring and Alerting System for Bridges Based on the Internet of Things	Indian Journal of Technical Education
6	Kurella Ayyappa Ravi Kiran , Mr. Molugumati Premchand , Mrs. G. Navya	Tools for Interfacing Hardware and Software in Open Source Networks	Juni Khyat
7	Dr. B. Ramana Kumar , Mrs. Medikenda Radha Rani , Mrs. V. Lavanya	Collaborative Learning to Boost Digital Signal Processing Grades	Journal of Management and Entrepreneurship
8	Mr. Vungarala Satya Kishore , Mrs. Donga Hinduja , Dr. B. Sada Siva Rao	Robots for Exploration and Mapping Work Together	Indian Journal of Technical Education
9	Mr. Challa Kanaka Lingeswararao , Mrs. G. Lakshmi Prasanna ,	Implementing IoT in the Classrooms by Pre-Service Teachers	Juni Khyat

	Mrs. Mutyalapalli Kanaka Durga		
10	Mr. V. Srinivas , Mrs. Gudapati Blessy Christina , Mr. J.E.N. Abhilash	Making Better CRM Decisions with IoT Data	Journal of Management and Entrepreneurship
11	Mr. L.V.S. Narayana , Dr. Harisankara Sri Vastava , Mrs. Velpuri Padma	Molecular nanomagnet chemical design with a solid foundation in data mining, dashboards, and statistics	Indian Journal of Technical Education
12	Mrs. K. Rama Lakshmi , Mr. Indraganti Venkata Ravi Kumar , Mrs. V. Lavanya	Analyzing Breast Cancer Images Histopathologically using Deep Learning	Juni Khyat
13	Dr. S. Gopinath , Mrs. G. Santhi Kumari , Dr. B. Nageswara Rao	ALU-based low-power architecture is based on clock gating and a carry select adder.	Journal of Management and Entrepreneurship
14	Mrs. M. Supriya , Mrs. Eda Suma Mr. T. Jerry Alexander	Developing a Network-Enabled Product for Women's Protection	Indian Journal of Technical Education
15	Mrs. Bellamkonda Pavani , Mr. S. Chanti , Mrs. M. Maha Lakshmi	A Rounding-Based Approach to the Construction of an Effective Approximate Multiplier	Juni Khyat
16	Mr. A.R.V S Gupta , Mr. D. Rahulkhanna , Mrs. K. Satisha	A Survey of Distributed Intelligence and Its Applications in Multi-Robot Ensembles	Journal of Management and Entrepreneurship
17	Mrs. K. Radha , Mr. Nalluri Surya Narayanamurthy , Mr. Male Nagesh	Guidelines for Safe and Effective Engineering of Internet of Things Devices Utilizing Machine Learning	Journal of Management and Entrepreneurship
18	Mr. Marlapudi Murali , Mrs. A S K S Sindhu , Mrs. Rachapotu Sindhu	Arm Controlled via Hands-Free Technology	Indian Journal of Technical Education

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S. No	Name of the Author	Title of the Paper	Name of the Journal
1	Dr. B Subrahmanyeswara Rao & Dr.K.Balamurugan	Performance Analysis of Optad-NoC: A Novel Optimized Routing Algorithm and Intelligent Router for 3D Network-on-Chip	Wireless Personal Communications
2	Mr.Srilali Siragam, Dr.RS Dubey,	Synthesis and investigation of dielectric ceramic nanoparticles for microstrip patch antenna applications	Journal Scientific Reports Vol 12, Issue 1 Pages 3929
3	Dr.RS Dubey & Dr.S Srilali,	Synthesis and characterization of $Zn_x-1Al_2O_4(TiO_2)_x$ nano composite ceramics and their humidity sensing properties.	Journal of Materials Science
4	Dr.K.Balamurugan	Roadmap for Machine Learning based Network-on-Chip (M/L NoC) Technology and its analysis for Researchers	Journal of Physics Communications
5	Mrs. Gudapati Blessy Christina , Mr. Kurada Veerabhadra C Rao	Voice Commands for Electronics with Bluetooth-Based Spoken Inquiries	Indian Journal of Technical Education
6	Dr.B, Subrahmanyeswara Rao, Mr. Kurella Ayyappa Ravi Kiran , Mr. Legalla Anjaneyulu	CRNN and GRU reinforcement learning for audio captioning	Juni Khyat
7	Mrs. Mutyalapalli Kanaka Durga , Mrs. K. Aparna Jyothi , Mrs. Rachapotu Sindhu	Pattern Formation and Adaptation in Multi- Robot Systems	Journal of Management and Entrepreneurship
8	Mr. Vungarala Satya Kishore, Mr. Marlapudi Murali,	An Internet-of-Things and fog computing- based exam security system	Indian Journal of Technical Education

	Mrs. A S N V Lakshmi Kantham		
9	Kurella Ayyappa Ravi Kiran , Mr. Challa Kanaka Lingeswararao , Mr. T Jerry Alexander	A state-of-the-art review of network and mobile communication technologies	Juni Khyat
10	Mr. Molugumati Premchand , Mrs. K. Rama Lakshmi , Mrs. Donga Hinduja	Accelerating nonnegative matrix factorization on many-core and multicore systems	Journal of Management and Entrepreneurship
11	Mr. B. Subrahmaneswara Rao , Mr. G. Ashok Jeevan , Mrs. G. Lakshmi Prasanna	Semantic Thing-to-Service Matching Method in Industrial IoT Environments	Indian Journal of Technical Education
12	Mrs. Eda Suma , Mr. L.V.S. Narayana , Mrs. G. Santhi Kumari	Improving the Vehicle-to-Vehicle Channel Non-Geometric Stochastic Model Outside the WSSUS	Juni Khyat
13	Mrs. Velpuri Padma , Mrs. V. Lavanya	Examining how cyber criminals target certain parts of Internet of Things infrastructures	Journal of Management and Entrepreneurship
14	Dr. B. Subrahmaneswara Rao , Mr. M. Prem chand	Super-resolution of picture using an anchored deep network	Indian Journal of Technical Education
15	Mrs. A S K S Sindhu , Mrs. M. Maha Lakshmi , Mr. Legalla Anjaneyulu	Optimization Algorithm Inspired by Artificial Bee Colonies to Improve Wireless Network Routing	Juni Khyat
16	Mr. Juluru Eswaranarasimha Abhilash , Mrs. Bellamkonda Pavani , Mrs. K. Radha	An Automatic Method for Detecting White Blood Cell Cancer in Bone Marrow Micrographs using Convolution Neural Networks	Journal of Management and Entrepreneurship

17	Mr. Indraganti Venkata Ravi Kumar , Mr. Male Nagesh , Mrs. Medikenda Radha Rani	Automatic number plate recognition system based on Optical Character Recognition	Indian Journal of Technical Education
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2020-2021

S.No	Name of the Author	Title of the Paper	Name of the Journal
1	Dr. B Subrahmanyeswara Rao	Accurate Leukocoria predictor based on deep VGG-net CNN Technique	IET Journals
2	Mr.Srilali Siragam, Dr.Raghvendra S Dubey	Synthesis and investigation of dielectric properties of nanoceramic composite material for microwave applications.	Micro & Nano Letters, IET Digital Library
3	Dr. S. Saravanan and Dr.R. S. Dubey	Electrochemical Growth and Characterization of ZnO Nanostructures for Dye-Sensitized Solar Cells	Micro & Nano Letters
4	Dr. S. Saravanan	Optical Pathlength Enhancement in Ultrathin Silicon Solar Cell Using Decorated Silver Nanoparticles on Aluminium Grating	Nanosystems: Physics, Chemistry, Mathematics (NPCM)
5	Dr. S. Saravanan and Dr.R. S. Dubey	Synthesis of SiO ₂ Nanoparticles by Sol-Gel Method and Studies for their Optical and Structural Properties	Romanian Journal of Information Science and Technology, , vol 1, 105-112
6	Dr. S. Saravanan and Dr.R. S. Dubey	One-Dimensional Photonic Crystals (Si/SiO ₂) for Ultrathin Film Crystalline Silicon Solar Cells	Nanosystems: Physics, Chemistry, Mathematics (NPCM)
7	<u>Dr.N Kopperundevi</u>	<u>Enhancement of Water Submerged Images Using Fusion Technique</u>	<u>Design Engineering</u>

Department of Mechanical Engineering

Academic Year- 2023-2024

S. No	Author Name	Title of the Paper	Name of the Journal
1	P Satyanarayana Raju and Dr. A Gopichand	Inexpensive production of hydrophobic and corrosion resistance titania-silica composite coating for deep water sandwich pipe applications	Australian Journal of Mechanical Engineering
2	P Satyanarayana Raju and Dr. A Gopichand	Optimization of sandwich pipes for deep water applications: An designing approach	Materials Today: Proceedings
3	Dr. A Gopichand	Inexpensive hydrophobic and infrared reflective coating on the cotton and silk fabrics using sol gel dip coating technique	Materials Today: Proceedings
4	Dr. A Gopichand, M. Francis Luther King, R. Lalitha Narayana	Synthesis of silver oxide nanoparticles using gomutra mediation and their investigation on anti oxidant property	Materials Today: Proceedings
5	M. Francis Luther	Enhancement of corrosion resistance of CrMoV low alloy steels using cryogenic treatment	Engineering Research Express
6	Dr. R Sanjeev Kumar, S Surendar and L Ravi Kishore	Design And Analysis of Car Wheel Rim With Composite Materials	Indian Journal of Technical Education
7	Dr Dolla Bhanu Prakash, V Durga Rao and R V Manikanta,	Fabrication of blade system stirrer setup for stir casting	Juni Khyat
8	B Srinivas, G Veerendra Kumaar and Saravanan M	Fabrication of solar water pump for gardening	Journal of Management and Entrepreneurship

9	B Mahesh Krishna, B Harita and Ch Uma Mahesh	Earing and Fabrication using Additive manufacturing and FEM	Indian Journal of Technical Education
10	Ch Harish Kumar, Abdul Azeez and Kollu Srinivasa Rao	Kinematic Analysis of 4R Robot Manipulator using Roboanalyzer and CProg	Indian Journal of Technical Education
11	Dr. G Robert Singh, John Bunyan V and Chirapa Srinivas	Fabrication of dichlorination and thermal cracking equipment for PVC electrical cables	Journal of Management and Entrepreneurship
12	N Bulliraju, V Rambabu and P Saranya	Performance Enhancement Of Passive Solar Still With Paraffin Wax	Juni Khyat

Academic Year- 2022-2023

S. No	Authors	Title of the Paper	Journals Name
1	Dr. G. Robert Singh and Dr. Francis Luther King	An experimental study on friction stir processing of aluminium alloy (AA-2024) and boron nitride (BN _p) surface composite	Materials Today: Proceedings
2	P Satyanarayana Raju and Dr. A Gopichand	Strength and corrosion characteristics of sandwich pipes for deepwater applications	Jisuanji Jicheng Zhizao Xitong/Computer Integrated Manufacturing Systems
3	Dr. R.Sanjeev Kumar	Influences of Fabrication Parameters on Natural Fiber Reinforced Polymer Composite (NFRPC) Material: A Review	Materials Science Forum
4	Dr. M. Francis Luther King	<u>Thermal performance of a double-glazed window integrated with a phase change material (PCM)</u>	Materials Today: Proceedings.
5	Dr. R.Sanjeev Kumar	Influences of various natural fibers on the mechanical and drilling characteristics of coir-fiber-based hybrid epoxy composites	Engineering Research Express
6	Dr. M. Francis Luther King	Acrylic Rubber-Reinforced Halloysite Nanotubes/Carbon Black Hybrid Fillers for Oil Seal Applications: Thermal Stability and Dynamic Mechanical Properties	Advances in Materials Science and Engineering
7	Dr .R. Sanjeev kumar Dr .A.Gopichand B. Mahesh Krishna P.S.N Raju	Design and printing of foldable helmet using 3D printer	Industrial Engineering Journal
8	B. Mahesh Krishna Dr .A.Gopichand CH. Harish kumar. Dr .R Lalith 11rakash11.	Design of solar electrical scooter using fusion 360	Industrial Engineering Journal
9	V.John Bunyan Dr. Francis Luther King, Dr.A.Gopichand Dr.D. Bhanu prakash	Computational fluid dynamic analysis on rocket nozzle using Ansys	Industrial Engineering Journal

10	Dr. R. Lalitha Narayana. Dr.A.Gopichand, Dr.D. Bhanu 12rakash. P.S.N Raju Dr.G.Robert Singh Dr. R. Sanjeev Kumar	Experimental investigation of passive solar still with coated copper fins	Journal of fundamental & comparative research
11	Ravi Kishore L, Chirapa Srinivas, Kolluru Ramakrishna	An Autonomous UAV for Spraying Pesticides	Juni Khyat
12	N Bulliraju, V Durga Rao, G Shankar Rao	A Look at Drones Used for Fertilizer and Pesticide Spraying	Indian Journal of Technical Education
13	B Srinivas, V Rambabu, B Harita	The History of Modern Mechanical Ventilation and Its Applications in Medicine	Indian Journal of Technical Education
14	G Veerendra Kumar, Abdul Azeez, B Venkatesh	Online Estimation Variables for the Analysis of Ground Vehicle Inertia Properties	Journal of Management and Entrepreneurship
15	Saravanan M, S Surendar, Jyothi Sri	Incorporating cutouts into composite thin circular plates drastically changes their dynamic behavior	Juni Khyat

Academic Year-2021-2022

S. No	Authors	Title of the Paper	Journals Name
1	Dr. R. Sanjeev Kumar & Dr. A. Gopichand	Fabrication, Microstructural and Mechanical behaviour of Al-ZrO ₂ -TiC hybrid metal matrix Composite	Comptes rendus de l'Académie bulgare des Sciences
2	Dr. R.Sanjeev Kumar and Dr. G.Robert Singh	The Influence of Human hair on Kenaf and Grewia fiber based hybrid natural composite material	Functional Composites and Structures
3	Dr. M. Francis Luther King	Optimizing GMAW parameters to achieve high impact strength of the dissimilar weld joints using Taguchi approach	Materials Today: Proceedings,
4	P Satyanarayana Raju and Dr. A Gopichand	Design and simulation of sandwich pipes for Deepwater applications	Wulfenia Journal
5	Dr. R Lalitha Narayana, Chirapa Srinivas, Abdul Azeez	Durability and mechanical properties of concrete maximized by partially replacing cement with wood waste ash	Journal of Management and Entrepreneurship
6	Dr. Dolla Bhanu Prakash, Saravanan M, V Rambabu	An examination of the rigidity of a three-puzzle uniaxial kinematic apparatus	Indian Journal of Technical Education
7	B Srinivas, G Veerendra Kumar, Ravi Kishore L	Thermodynamic Modeling of a Gas-Fired Power Plant's Exhaust Heat Exchanger	Indian Journal of Technical Education
8	B Mahesh Krishna, D Padmavathi, S V Prasad	By comparing their power consumption, we can evaluate the dynamic reliability of mechanical additives. The Ways of Decline	Journal of Management and Entrepreneurship
9	C Harish Kumar, J Naresh babu, K Mohan Prasad	How the aspect ratio of a serial chain is related to its condition number in a generalized inertia matrix	Juni Khyat
10	N Bulliraju, P Satish, Ch Madhu Venkata Narayana	The AA 6063 T6 aluminum alloy was turned using a large number of Reactions Taguchi L9 orthogonal arrays and Grey relational analysis.	Indian Journal of Technical Education

11	John Bunyan V, B Harita, L Bosu babu	Design optimization of mechanical parts by use of a more complex suite of optimization algorithms founded on the differential operator and based on teaching-learning	Journal of Management and Entrepreneurship
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Academic Year- 2020-2021

S. No	Authors	Title of the Paper	Journals Name
1	R. Sanjeev kumar	Design optimization of Airless Tyre - Numerical Approach	IOP Conf. Series: Materials Science and Engineering
2	Dr. Francis Luther King, Dr.G.Robert Singh, Dr. R. Sanjeev Kumar	Hardness and Surface Scratch Resistance of Basalt/Bagasse fibre Reinforced Poly Lactic Acid Polymer Composites	International Journal of Engineering Trends and Technology (IJETT) Volume 68 Issue 6 p13-21
3	Dr. R. Lalitha Narayana, B. Srinivas, V. John Bunyan, N. Bulli Raju	Effect of Fin Height on Performance of Passive Solar Still in Indian Coastal Conditions	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) Vol. 10, Issue 3, 9913–9922
4	Dr. R. Lalitha Narayana, V. John Bunyan, N. Bulli Raju	Experimental Investigation of Friction Welding on Similar Al Plate and Tube	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) Vol. 10, Issue 3, 10031–10038
5	Dr.G.Robert Singh, Dr. R. Sanjeev Kumar	Tensile and compression behavior, microstructural characterization on Mg-3Zn-3Sn-0.7Mn alloy reinforced with SiCp prepared through powder metallurgy method	Materials Research Express Volume 7, Number 10 6512
6	S. Thillikkani, M. Nataraj, M. Francis Luther King	Failure analysis of Shackle Bracket in Airbus suspension under dynamic loading conditions	Engineering Failure Analysis (Elsevier)

7	M Francis Luther King, G. Robert Singh	Moisture Absorption and Biodegradation of Poly Lactic Acid Hybrid Composites	Waffen-Und Kostumkunde Journal
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Department of Electrical and Electronics Engineering

Academic Year-2023-2024

S. No	Authors	Title of the Paper	Journal name
1	VenkateshYepuri , Addala Satyanarayana	A novel methodology in fabricating dielectric reflectors for the desired wavelength spectrum using sol-gel spin coating technique	Elsevier
2	Y. Venkatesh , K.K.D. Bhavani	Development of maintenance-free coatings using composite titania and silica	Elsevier
3	Y. Venkatesh	Transparent dielectric TiO ₂ /SiO ₂ coatings for thermal shielding and self-cleaning applications	Elsevier
4	VenkateshYepuri , Addala Satyanarayana	Construction of Economical Dip- Coater for the Fabrication of Hydrophobic Coatings	Elsevier
5	Y. Venkatesh	Cost effective production of radiation shielding coatings using multilayers of titania and silica	Elsevier
6	Y. Venkatesh , K.K.D. Bhavani	Fault Classification and Its Identification in Overhead Transmission Lines Using Artificial Neural Networks	Springer
7	VenkateshYepuri,P Yanna Reddy	Synthesis of Titania Nanoparticles and Assessment of Antioxidant Activity	Springer
8	Addala Satyanarayana	Power Quality Enrichment in Fuel Cell Distribution Generation Integrated with CPD's	IEEE
9	Y. Venkatesh	Synthesis of Silver oxide nanoparticles using gomutra mediations and their investigations on antioxidant property	Elsevier
10	VenkateshYepuri , BandaruBhargav Santosh	Inexpensive Fabrication of Visible Dielectric Reflector for Improving the Performance of Visible Light Communication	Springer
11	MadhuValavala	Machine learning based Energy management system for better optimisation of power in electric vehicles	IEEE

12	MadhuValavala	IBBO for Optimal size and location of Distributed Generation in Radial Distributed Network	NEUROQUANTOLOGY
13	P Yanna Reddy	Hybrid AC/DC control techniques with improved harmonic conditions using DBN based fuzzy controller and compensator modules	System science and control engineering

Academic Year- 2022-2023

S. No	Authors	Title of the Paper	Journal name
1	C. Siva Pragash	Blockchain Technology for Smart Grids Implementation, management and security	IET
2	VenkateshYepu ri	Sol-gel spin coating of dielectric reflector for energy harvesting and heat shielding applications	Elsevier
3	VenkateshYepu ri	Engineering of Ultra-Violet reflectors by varying alternate layers of Titania/Silica for harmful UV- protection	Elsevier
4	Y. Venkatesh	Performance enhancement of triboelectric nanogenerator using iodine doped PVDF	Nanosystems
5	C. Siva Pragash	Secured energy-efficient routing protocol with game-based fuzzy Q- learning approach for smart grid systems	IET
6	Addala Satyanarayana	An Optimal Allocation of losses and size in Power System Network with Dispersed Generation	IJITEE
7	Addala Satyanarayana	Mitigation of PQP in Distributed Generation using CPD's	IEEE
8	VenkateshYepu ri , BandaruBhargava Santosh	Inexpensive Fabrication of Visible Dielectric Reflector for Improving the Performance of Visible Light Communication	Springer
9	VenkateshYepu ri	The role of photonic and plasmonic modes in ultrathin amorphous silicon solar cells using finite difference time domain method	Elsevier
10	VenkateshYepu ri , Addala Satyanarayana	Economical construction of spin coater for the fabrication of dielectric reflectors	Elsevier
11	Y. Venkatesh	Inexpensive hydrophobic and infrared reflective coatings on the cotton and silk fabrics using sol-gel dip coating technique	Elsevier
12	Y. Venkatesh , Addala Satyanarayana, nlavanya	Reflectance investigation on dielectric reflectors using ethanol, methanol, and isopropanol as solvent in the synthesis process	Elsevier

13	Y. Venkatesh	Synthesis of Silver oxide nanoparticles using gomutra mediations and their investigations on antioxidant property	Elsevier
14	P. Ramachandra murthy	Sol-gel synthesis of titania nanoparticles for photonic and transformer applications	Journal of Nano and Electronic Physics
15	MadhuValavala	Optimal Location and Rating of Dg with Improved Bio-Geography for Loss Minimization in Distributed Networks	SSRN

Academic Year- 2021-2022

S. No	Authors	Title of the Paper	Name of The Journal
1	C. Siva Pragash	Artificial neural network-based psychological assessment model for predicting the mental health problem in children facing psychological abuse and depression	Elsevier BV
2	VenkateshYepu ri	Prohibition of infrared electromagnetic waves through optical coatings on plain glasses	Elsevier
3	MadhuValavala	Multi-Objective Optimal Siting & Location Of Multiple Dgs In Distribution Network Using Biogeography Based Optimization (BBO)	IEEE
4	MadhuValavala	Optimal placement and sizing of distributed generation for loss minimization using ABC Optimization	IJAPE
5	Satya Narayana Addala	Enhancing the Power related issues in Grid connected PV system Using Bat Algorithm	IJME
6	MadhuValavala	Machine learning based Energy management system for better 17ptimization of power in electric vehicles	IEEE
7	MadhuValavala	IBBO for Optimal size and location of Distributed Generation in Radial Distributed Network	NEUROQUA NTOLOGY

Academic Year-2020-2021

S. No	Authors	Title of the Paper	Name of The Journal
1	C. Siva Pragash	Analysis on energy consumption in smart grid WSN using path operator calculus centrality based HSA-PSO algorithm	Springer
2	J. Mahil	Assist Devices for Heart and Pulmonary Inflammatory Patients using Real-Time Wireless Network Systems	TEST
3	J. Mahil	Effective approach of learning based classifiers for skin cancer diagnosis from dermoscopy images	TEST